



Monday 12th

Welcome reception and registration (Reagan Room) 17:00 - 20:00

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7:00 – 8:00	Breakfast (Santa Ynez Foyer)
8:00 – 8:15	Welcome and Introduction, Jim Ang, SNL
8:15 – 9:15	Keynote: Critical Technologies for Exascale, Bob Lucas, USC/ISI
9:15 – 9:45 9:45 – 10:15	Design Space Exploration, Sudip Dosanjh, SNL Need for Domain Specific Approaches, David Bernholdt, ORNL
10:15 – 10:30	Break
10:30 – 11:00	Blackcomb Hardware software Co-design for Non-Volatile Memory in Exascale Systems, Jeff Vetter, ORNL
11:00 – 12:30	Panel Discussion: The Different Dimensions of Exascale Cost (Steve Poole, ORNL, Jim Laros, SNL, Thomas Schultess, CSCS, Alessandro Curioni, IBM-Zurich)
12:30 – 18:00	Open for Informal discussions
18:00 – 19:30	SOS16 Banquet Dinner (Sierra Madre North)
19:30 – 21:30	Vendor Session: What do you see as the challenges to Exascale Industry perspectives on opportunities for co-design 20 minute presentations by our hardware-oriented industry sponsors: Mike Schulte, AMD, Giri Chukkapali, Appro, John Levesque, Cray, Wilf Pinfold, Intel, Steve Scott, Nvidia, Eng Lim Goh, SGI
21:00 – 23:30	Hosted reception (Room 316)

Wednesday 14th (General session held in Santa Ynez)

7:00 - 8:00Breakfast (Santa Ynez Foyer)

Hardware Perspectives on Co-design

8:15 – 8:45	Future High Performance CPU and System Architectures, Dave Resnick, SNL
8:45 – 9:15	Co-design perspectives from a Data Motion Architect, Ronald Luitjen, IBM Zurich
9:15 – 9:45	Co-design of SoC capabilities for the Cloud, Karl Freund, Calxeda
9:45 - 10:00	Break
10:00 - 10:30 10:30 - 11:00 11:00 - 11:30 11:30 - 12:00	Runtime Systems and System SW challenges Virtualization for runtime software R&D, Patrick Bridges, U-NM Resilience for permanent, transient, and undetected errors, Christian Engelmann, ORNL Scalable heterogeneous computing, Sadaf Alam, CSCS X-caliber & XGC System Software R&D, Kyle Wheeler, SNL
12:00 – 19:30	Open for Informal discussions, and Dinner on your own
19:30 – 21:30	Panel: Exascale technology overlaps and synergies Non-determinism and uncertainty quantification In situ data analysis and on-node support for debugging? David Rogers, SNL, Clayton Webster, ORNL, Dave Norton, PGI, Dennis Andrews, Roguewave, and Scott Klasky, ORNL
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